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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/785,051	02/25/2004	Takeshi Hoshino	NITT.0199	8565

7590 08/09/2005

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EXAMINER

BLACKMAN, ROCHELLE ANN J

ART UNIT	PAPER NUMBER
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2851

DATE MAILED: 08/09/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

SP

Office Action Summary	Application No. 10/785,051	Applicant(s) HOSHINO ET AL.	
	Examiner Rochelle Blackman	Art Unit 2851	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED. (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 29 June 2005.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-5, 8 and 9 is/are pending in the application.
- 4a) Of the above claim(s) 6, 7 and 10-31 is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-5, 8 and 9 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 25 February 2004 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date <u>2/25/04 & 8/31/04</u> . | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Election/Restrictions

Applicant's election without traverse of Species I corresponding to claims 1-5, 8, and 9 in the reply filed on June 29, 2005 is acknowledged.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1, 4, and 8 are rejected under 35 U.S.C. 102(b) as being anticipated by Sekiguchi et al. (U.S. Patent No. 5,695,346).

Regarding claim 1, Sekiguchi A display apparatus (see Figs. 155-159), comprising: a display unit (see 3220 of Figs. 155-158 and 3250 of Figs. 158 and 159) having a view angle-limiting filter (for example, see 3204, 3206, 3222-323 of Figs. 155-157 and col. 40, lines 48-54) on a surface thereof; a rotary mechanism (for example, see 3218 and 3220 of Figs. 155-157) which rotates the display unit; and a control unit (see 200 of Fig. 1 and col. 12, lines 52-55) for implementing control so that when the display unit, rotated by the rotary mechanism, is faced to each of plural directions (see directions "display unit" 3220 or 3250 face in Figs. 155-159), the display unit displays a

different text or image content associated with the direction (for example, see 322-3224 in Figs. 155-157 and col. 40, lines 51-65).

Regarding claim 4, Sekiguchi discloses wherein the display unit comprises a display (see 322-3224 in Figs. 155-157).

Regarding claim 8, Sekiguchi disclose wherein the control unit includes a memory unit to store the text or image information to be displayed by the display unit (also 200 of Fig. 1 and col. 12, lines 52-55).

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 1-5, 8, and 9 are rejected under 35 U.S.C. 103(a) as being unpatentable over Anderson et al. (U.S. Patent No. 6,208,318) in view of Sekiguchi et al. (U.S. Patent No. 5,695,346).

Regarding claim 1, Anderson discloses a display apparatus (for example, see 3 of FIG. 1 and see FIGS. 10A and 10B), comprising: a display unit (see *HEAD-UP DISPLAY* in FIGS. 10A and 10B); a rotary mechanism (see 16 of FIG. 1) which rotates the display unit; and a control unit (see 1 of FIG. 1) for implementing control so that

Art Unit: 2851

when the display unit, rotated by the rotary mechanism, is faced to each of plural directions, the display unit displays a different text or image content associated with the direction (see function of *HEAD-UP DISPLAY* in FIGS. 10A and 10B).

Regarding claim 2, Anderson discloses wherein the control unit includes an angle detection unit (see *positional sensing electronics* in col. 6, lines 28-31) for detecting the plural directions the display unit is faced to.

Regarding claim 3, Anderson discloses a display apparatus (for example, see 3 of FIG. 1 and see FIGS. 10A and 10B), comprising: a display unit (see *HEAD-UP DISPLAY* in FIGS. 10A and 10B); a rotary mechanism (see 16 of FIG. 1) which rotates the display unit; a detection unit (see *positional sensing electronics* in col. 6, lines 28-31) for detecting a direction extending through a viewer; and a control unit (see 1 of FIG. 1) for implementing control so that when the display unit, rotated by the rotary mechanism, is faced to the detected direction extending through a viewer, the display unit displays a text or image content associated with the detected direction (see function of *HEAD-UP DISPLAY* in FIGS. 10A and 10B).

Regarding claims 4 and 5, Anderson discloses wherein the display unit comprises a display (see *HEAD-UP DISPLAY* in FIGS. 10A and 10B).

Regarding claims 8 and 9, Anderson discloses wherein the control unit includes a memory unit to store the text or image information to be displayed by the display unit (see 1 of FIG. 1).

Regarding claims 1 and 3, Anderson does not appear to disclose a display unit having a "view angle-limiting filter on a surface thereof".

Sekiguchi teaches providing a display unit having a view angle-limiting filter on a surface thereof (see 3204, 3206, 3222-323 of Figs. 155-157 and col. 40, lines 48-54).

It would have been obvious to one ordinary skill in the art at the time the invention was made to provide the display unit of the Anderson reference with a view angle-limiting filter, as taught by Sekiguchi for the purpose of viewing only one image of images on the display unit from one angle of observation and different images from other angles of observation (see col. 2, lines 47-58).

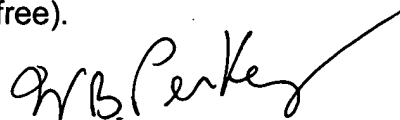
Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Rochelle Blackman whose telephone number is (571) 272-2113. The examiner can normally be reached on M-F 8:00-4:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Judy Nguyen can be reached on (571) 272-2258. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Art Unit: 2851

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

A handwritten signature in black ink, appearing to read "W.B. Perkey", with a long, sweeping horizontal stroke extending to the right.

RB

William Perkey
Primary Examiner